

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059619.D
 Acq On : 23 Jul 2018 17:40
 Operator : VA/AP
 Sample : VF0723SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Manual Integrations
 APPROVED

apatel

Quant Time: Jul 24 08:18:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	7/24/2018 1:13:54 PM
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1) Pentafluorobenzene	5.03	168	274658	50.00	ug/l	0.00	
34) 1,4-Difluorobenzene	5.75	114	380693	50.00	ug/l	0.00	
63) Chlorobenzene-d5	9.91	117	364113	50.00	ug/l	0.00	
72) 1,4-Dichlorobenzene-d4	12.63	152	228180	50.00	ug/l	0.00	

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	196257	45.41	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	90.82%		
35) Dibromofluoromethane	4.28	113	175122	49.86	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	99.72%		
50) Toluene-d8	7.70	98	430852	48.99	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	97.98%		
62) 4-Bromofluorobenzene	11.51	95	227778	44.87	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	89.74%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	63969	18.56	ug/l	95
3) Chloromethane	1.08	50	33281	21.18	ug/l	95
4) Vinyl Chloride	1.15	62	39112	22.03	ug/l #	77
5) Bromomethane	1.33	94	29574	19.25	ug/l	98
6) Chloroethane	1.42	64	22180	20.47	ug/l	98
7) Trichlorofluoromethane	1.48	101	85186m	17.65	ug/l	
8) Diethyl Ether	1.69	74	13443	19.40	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	47882	19.71	ug/l	95
10) Methyl Iodide	1.95	142	85691	20.98	ug/l	98
11) Tert butyl alcohol	2.67	59	16838	95.71	ug/l #	77
12) 1,1-Dichloroethene	1.85	96	40567	21.07	ug/l	93
13) Acrolein	2.08	56	6306	71.48	ug/l	91
14) Allyl chloride	2.18	41	69414	19.92	ug/l	88
15) Acrylonitrile	3.07	53	24832	91.51	ug/l	96
16) Acetone	2.33	43	65471	88.35	ug/l	97
17) Carbon Disulfide	1.86	76	105394	21.15	ug/l	95
18) Methyl Acetate	2.45	43	19822m	16.29	ug/l	
19) Methyl tert-butyl Ether	2.53	73	104578	18.64	ug/l	93
20) Methylene Chloride	2.27	84	40136	19.67	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	40684	20.56	ug/l	89
22) Diisopropyl ether	2.92	45	135298	21.18	ug/l #	96
23) Vinyl Acetate	3.32	43	343747	106.92	ug/l #	95
24) 1,1-Dichloroethane	2.99	63	94615	20.67	ug/l	98
25) 2-Butanone	4.50	43	83152	108.83	ug/l	93
26) 2,2-Dichloropropane	3.75	77	76588	19.85	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	49908	22.00	ug/l	99
28) Bromochloromethane	3.88	49	32259	19.17	ug/l	82
29) Tetrahydrofuran	4.25	42	29632	95.73	ug/l	95
30) Chloroform	4.02	83	131034	20.82	ug/l	94
31) Cyclohexane	3.86	56	57785	22.68	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	110468	19.38	ug/l	93
36) 1,1-Dichloropropene	4.45	75	79086	20.51	ug/l #	89
37) Ethyl Acetate	4.28	43	33717	21.75	ug/l #	91
38) Carbon Tetrachloride	4.16	117	113773	19.12	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	7/24/2018 1:13:54 PM
39) Methylcyclohexane	5.62	83	70807	22.64	µg/l	# 89	
40) Benzene	4.79	78	150963	21.43	µg/l	98	
41) Methacrylonitrile	4.91	41	15858	19.96	µg/l	# 69	
42) 1,2-Dichloroethane	5.11	62	86250	18.13	µg/l	98	
43) Isopropyl Acetate	7.11	43	39562	19.97	µg/l	# 95	
44) Trichloroethene	5.66	130	59270	21.82	µg/l	93	
45) 1,2-Dichloropropane	6.39	63	41479	21.75	µg/l	90	
46) Dibromomethane	6.25	93	31665	20.04	µg/l	# 87	
47) Bromodichloromethane	6.54	83	95910	20.00	µg/l	# 94	
48) Methyl methacrylate	6.86	41	28276	19.09	µg/l	96	
49) 1,4-Dioxane	6.85	88	4282	451.39	µg/l	97	
51) 4-Methyl-2-Pentanone	8.40	43	149060	103.30	µg/l	96	
52) Toluene	7.77	92	109179	20.35	µg/l	96	
53) t-1,3-Dichloropropene	8.42	75	79947	19.72	µg/l	99	
54) cis-1,3-Dichloropropene	7.44	75	84091	20.93	µg/l	97	
55) 1,1,2-Trichloroethane	8.63	97	35219	19.19	µg/l	92	
56) Ethyl methacrylate	8.76	69	39799	19.48	µg/l	86	
57) 1,3-Dichloropropane	8.99	76	66086	20.69	µg/l	98	
58) 2-Chloroethyl Vinyl ether	7.76	63	24026	101.63	µg/l	100	
59) 2-Hexanone	9.62	43	110820	94.63	µg/l	100	
60) Dibromochloromethane	8.85	129	63544	19.44	µg/l	97	
61) 1,2-Dibromoethane	9.13	107	43782	20.81	µg/l	97	
64) Tetrachloroethene	8.29	164	58623	21.68	µg/l	97	
65) Chlorobenzene	9.93	112	147120	21.91	µg/l	99	
66) 1,1,1,2-Tetrachloroethane	10.07	131	61027	20.06	µg/l	92	
67) Ethyl Benzene	10.03	91	266547	21.83	µg/l	99	
68) m/p-Xylenes	10.26	106	199170	48.01	µg/l	88	
69) o-Xylene	10.83	106	100557	22.31	µg/l	91	
70) Styrene	10.89	104	151234	22.38	µg/l	95	
71) Bromoform	10.88	173	36875	19.56	µg/l	98	
73) Isopropylbenzene	11.22	105	317056	21.88	µg/l	98	
74) N-amyl acetate	11.46	43	65230	20.02	µg/l	94	
75) 1,1,2,2-Tetrachloroethane	11.78	83	48007	19.73	µg/l	98	
76) 1,2,3-Trichloropropane	11.88	75	41952	19.74	µg/l	89	
77) Bromobenzene	11.59	156	81592	21.73	µg/l	86	
78) n-propylbenzene	11.68	91	376501	21.68	µg/l	98	
79) 2-Chlorotoluene	11.81	91	226352	21.75	µg/l	95	
80) 1,3,5-Trimethylbenzene	11.91	105	277566	21.39	µg/l	99	
81) trans-1,4-Dichloro-2-buten	11.95	75	15460m	18.34	µg/l		
82) 4-Chlorotoluene	11.99	91	241294	20.84	µg/l	88	
83) tert-Butylbenzene	12.21	119	266648	20.79	µg/l	96	
84) 1,2,4-Trimethylbenzene	12.28	105	282727	21.42	µg/l	97	
85) sec-Butylbenzene	12.38	105	359344	21.67	µg/l	99	
86) p-Isopropyltoluene	12.53	119	321592	22.04	µg/l	99	
87) 1,3-Dichlorobenzene	12.55	146	148263	20.59	µg/l	100	
88) 1,4-Dichlorobenzene	12.64	146	143851	21.29	µg/l	100	
89) n-Butylbenzene	12.92	91	307063	22.02	µg/l	98	
90) Hexachloroethane	12.99	117	72457	20.04	µg/l	77	
91) 1,2-Dichlorobenzene	13.01	146	135879	20.25	µg/l	96	
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11555	19.73	µg/l	92	

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93) 1,2,4-Trichlorobenzene	14.27	180	107516	21.43	ug/l	95	
94) Hexachlorobutadiene	14.26	225	73503	21.05	ug/l	94	
95) Naphthalene	14.52	128	163172	20.03	ug/l	98	
96) 1,2,3-Trichlorobenzene	14.67	180	93982	20.61	ug/l	97	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

